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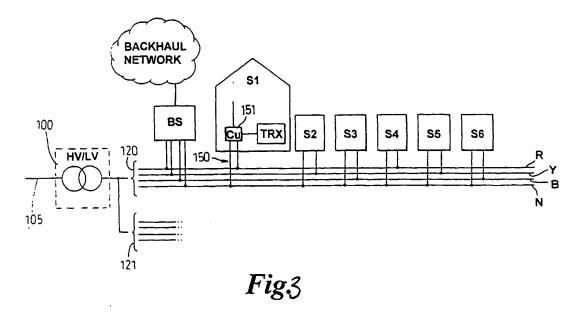
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 AL LT LV MK RO SI
- (30) Priority: 15.12.1998 GB 9827601
- (71) Applicant: Nortel Networks Limited Montreal, Quebec H2Y 3Y4 (CA)

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- (54) Reception of multicarrier signals over power lines
- (57) An Orthogonal Frequency Division Multiplexed (OFDM) power line communications system comprising a power line for distributing electricity to a plurality of premises and a communication station coupled to the power line at one of the premises, which station uses a

part of the power line external to the premises as a communications medium. The communications station includes a receiver which comprises a clipping system adapted to clip an incoming OFDM data waveform, which includes a regular impulsive noise component, so as to reduce the level of noise on the waveform.



EP 1 011 235 A3



EUROPEAN SEARCH REPORT

Application Number EP 99 30 7702

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with in of relevant pass	dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI,7)
Х	WO 98 10550 A (TELI 12 March 1998 (1998 * page 3, line 18 -	-03-12)	1-14	H04L27/26 H04B3/54
E	EP 1 043 874 A (BBC 11 October 2000 (20 * abstract *) 00-10-11)	1-14	
Т	medium and design a PLC system* INTERNATIONAL ZÜRIC COMMUNICATIONS,	"Nature of power line spects for broadband H SEMINAR ON BROADBAND 2000, pages 185-189,	1	
				TECHNICAL FIELDS SEARCHED (Int.Ci.7) H04L H04B
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search	-1-	Examiner
	THE HAGUE	11 March 2002	Scr	riven, P
X : part Y : part doct A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone louisarly relevant if combined with anotument of the same category indegical background—written disclosure rmediate document	T: theory or princip E: earlier patent do after the filing de ther D: document cited L: document cited a: member of the s document	ocument, but publi ate in the application for other reasons	ished on, or

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82